



**US Army Corps
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Engineer Research and
Development Center

M&S Terrain Database Generation, Archive, and Support

Purpose Topographic Engineering Center (TEC) is an authoritative source for Modeling and Simulation (M&S) Terrain Databases and makes them available to the community via our Master Environmental Library web site. Various formats and resolutions are available on unclassified and classified sites to encourage reuse and minimize duplications of effort.

Specifications The unclassified web site is: http://mel.dmsomil.mil/mel-bin/html_query and the classified web site is: http://mel.nrl-mry.navy.smil.mil/mel-bin/html_query. Terrain Database formats include Compact Terrain Database (CTDB) for Joint Semi-Automated Forces (JSAF) and OneSAF TestBed (OTB); OpenFlight and OpenScene for 3-D visualization; Dynamic Terrain Database (DTDB) for dynamic terrain simulations, and SEDRIS Transmittal Format (STF) to promote interoperability. Geographic extents include world-wide coverage at very low resolution, substantial coverage at low resolution, and limited coverage for medium and high resolution databases.

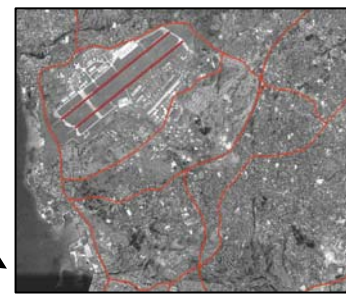
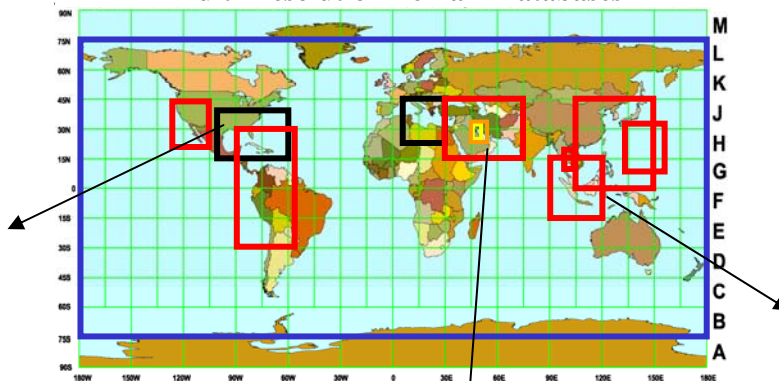
Benefits Terrain Databases typically cost thousands (sometimes, millions) of dollars to develop. The M&S community benefits by not having to re-invest time and money for developing databases that may already exist and fulfill their requirement.

Success Stories Programs of Record that successfully used databases developed and/or distributed by TEC include Urban Resolve, JWARS, JNTC/SOCOM, FCS, and numerous C4ISR projects.

Multi-Resolution Terrain Databases



Houston CTDB



OpenFlight with Imagery



Southwest Asia OpenScene

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